INDEX TO ROCK PRODUCTS, 1954, VOL. 57

A

Advertising—Sales Promotion
—Basalt Rock Co., January 126
—National Concrete Masonry Association 220
Aggregates
—A.S.T.M. report on alkali-aggregate reaction, September 86
—Editor's Page, depletion, June 57
—For German Autobahnen highways, March 108
—Pennsylvania producers meeting, March 91
—Processing plant at Folsom Dam, May 70
Aggregates, lightweight
—"Basalite Expanded Shale", January .. 143
—Basalt Rock Co.'s "Rocklite" and "Basalite", January 118
—Carolina Solite Corp., operations, May 83
—Dallas Lightweight Aggregate Co. plant, February 86
—Oklahoma Lightweight Aggregate Co. plant, February 98
—Production Data, Bureau of Mines, February 110
—Production at Georgia Lightweight Aggregate Co., March 92
—Rescolite Co., October 78
—Technical developments, January 150
—Texas Industries, Inc., Lightweight aggregate plants, February 86
Agricultural Limestone
—A new look for lime, April 124
—Agronomists give facts to aid in selling agstone, April 113
—Calcium and magnesium limestone, April 122
—Correcting major soil fertility deficiencies, April 116
—Cuts fertilizer costs, April 118
—For grass lands, April 119
—Fry Coal & Stone Co. operations, April 86
—In the soil conservation plan, April ... 121
—Insurance against poverty, April 120
—Iowa Agricultural Limestone Association, Annual meeting, April ... 148
—Merchandising, April 108
—Missouri Limestone Producers Association, Annual meeting, January 170
—N.A.L.I. Annual convention, April 99
Board of directors meeting, August ... 189
—Production at Frontier Stone Products, Inc., April 106
—Properly limed soil is a natural resource, April 125
—Report at Indiana Mineral Aggregates Association, Inc., meeting, April 144
—Selling, April 125
—Soil testing, November 69
—To maintain prosperous agriculture April 123
Allentown Portland Cement Co., plant, October 68
Allied Chemical & Dye Corp., Solvay Process Div., limestone operations, May . 66
Alwine Brick Co., concrete block operations, June 192
American Concrete Institute
—Annual convention, April 220
American Concrete Pipe Association
—Annual convention, April 216
—School, December 146
American Institute of Mining Engineers
American Mining Congress — Western Division, meeting and exhibit, November 102
—General meeting, April 140
American Rock Wool Corp., South Plainsfield, N. J., plant, October 76
American Society for Testing Materials
—Highlights of meeting, September 86
—Inspect cement plant and lab., December 110
An Agstone Producer's Approach To Building A Sound Business, April 86
Anchor Concrete Products, Inc., Installs three autoclaves, September 135
Apply Ceramic Glazed Face to Block, November 135
Are We Doing A Good Job of Selling Liming Materials?, April 125
Arrow Rock Co., Employs tire expert, October 81
Asbestos Mining at Ruberoid Co., Lowell, Vt., plant, July 74
Autoclave Building Products Association, annual convention, April 213
Autoclaves—see Concrete Products
Automatic Controls Speed Up Batching, September 138
Automatic Controls in Newest Gypsum Plaster and Wallboard Plant, December 72
Automatic Curing of Concrete Block, June 192
Automatic Truck-Loading of Masonry Units, June 197
Automatically Controlled Kilns and Fuel System For Lightweight Aggregate Plant, May 83

B

Badger Concrete Co., Inc., Celebrates 50th anniversary, October 182
Barge Transportation—
—J. L. Shiely Co., Converts to, September 62
Basalt Introduces the Precast Concrete Home, January 132
Basalt Rock Co. Story, January 104
Basic Refractories, Inc., Dynamic brakes for rotary kilns, September 80
Becker County Sand & Gravel Co., Marlboro, S. C., plant, July 62
Besser Celebrates Golden Anniversary, July 119
Better Blasting Practices Through Seismograph Studies, March 103
Big Quarry — Big Crusher — Big Job, October 96
Bin flow study, March 73
Bituminous Mix — New Haven Trap Rock Co., Bituminous mix plant, June 96
Blasting
(Also see Millisecond Delay Blasting)
—Columbus Rock Co. quarry, October .. 66
—Elmhurst-Chicago Stone Co., February 122
—Maule Industries, Inc., Prospect, Fla., plant, July 56
—Seismograph studies, March 103
—Technical developments, January 150
—Vibration effects, February 83
Blend Five Sizes To Make Either Concrete or Masons Sand, September ... 76
Block Plant With Push-Button Controls, July 113
Booming Ready-Mix Industry Establishes All-Time Attendance Record, March 168
Both Calcium and Magnesium Limestone Very Important, April 122
Bradford Hills Quarry, Inc., crushed stone plants, February 81
Business Outlook, January 92
Business Prospects, N.S.G.A. and N.R.M.C.A. report, March 83

C

Calaveras Cement Co., San Andreas, Calif., plant, March 70
Canada Cement Co.
—Growth keeps pace with nation's expansion, August 86
—Operating practices, August 90
—Kiln exit gases dry raw materials at Havelock, N. B., plant, August 95
—Triple capacity of Belleville, Ont., plant, August 104
—New Mill under construction at Fort Whyte, Man., August 112
—Canada's biggest cement plant—Montreal East, August 113
—Increase Exshaw, Alberta, plant to nearly four times pre-war output, August 116
Carolina Solite Corp., kilns and fuel system for lightweight aggregate plant, May 83
Cement
—A.I.M.E. report, April 140
—Anticipated business conditions, January 157
—Autoclaved cement-sand mixtures, April 214
—Chemistry
January 147
August 136
—Estimating demand, August 132
—For German Autobahnen highways, March 108
—In autoclaved concrete products, May . 142
—Laboratory tests, May 66
—Portland cement from oil shale, July . 59
—Rocky's Notes, January 77
—Rocky's Notes, February 59
—Rocky's Notes, March 55
—Rocky's Notes, April 71
—Silica cement properties, May 80
—Tentative specifications for portland-pozzolan cement, September 86
—Weld-surfacing of cement kilns, February 114
Cement Plants
—Allentown Portland Cement Co., October 68
—Calaveras Cement Co., March 70
—Canada Cement Co.
Growth, August 86
Operating practices, August 90
Havelock, N. B., plant, August 95
Belleville, Ont., plant, August 104
Fort Whyte, Man., plant, August 112
Montreal East plant, August 113
Hull, Que., plant, August 115
Exshaw, Alberta, plant, August 116
—Compania de Cemento Chilca S. A., Lima, Peru, November 80
—Dragon Cement Co., April 102
—Federal Portland Cement Co., Inc., The, September 70
Loma Negra Cement Co., December ... 68
—Orissa Cement Ltd., Rajganpur, India, November 64
—Universal Atlas Cement Co., New raw mill, June 74
—Universal-Atlas Cement Co.'s Universal plant, February 78
Cinder Products, Inc., plant, October 175
Clay Mineralogy
—Rocky's Notes, January 77
Colorful Displays for Good Public Relations, August 219
Columbus Rock Co., plant and quarry practices, October 66
Combining Efficiently Ready Mix and Block Production In One Plant Layout, June .. 189
Compania de Cemento Chilca S. A., Lima, Peru, cement plant, November ... 80
Competition for Business Reflected in Sand and Gravel Program, March 75
Completely Diesel-Powered Dredges, February 129
Compressed Air, Survey on efficient use, October 80
—Piping of Compressed Air, November . 84
Concrete
—A.C.I., Annual convention, April 220
—Chemistry, January 147
—German Autobahnen highways, March 108
—Rocky's Notes, January 77
—Rocky's Notes, February 59
—Technical developments, January 150
Concrete Durability of German Autobahnen Highways, March 108
Concrete Masonry
—Automatic truck-loading at Port Costa Brick Works, June 197
—Alwine Brick Co., June 192
—Cinder Products, Inc., October 175
—Concrete Masonry Corp., Steam curing system, June 198
—Fizzano Bros., Inc., August 209
—N.C.M.A., Annual convention, March .161
—Promotion, January 220
—Soffit block in tilt-up construction, August 225
—Southeastern Concrete Masonry Association, Annual meeting, January 226
—Stresterete construction system, January 129
—"Stresterete" masonry units, January 120
—Unit Masonry Association, October ...180
—United Cement Products Co., Glasface concrete units plant, November 135
Concrete Masonry Corp., Steam curing, June 198
Concrete Masonry Industry Enters A Competitive Era, January 220
Concrete Pipe
—American Concrete Pipe Association, Annual convention, April 216
—Southeastern Concrete Pipe Association, Annual meeting, January 230
—Western Concerte Pipe Association, Annual convention, July 118
Concrete Pipe Plants
—American Concrete Pipe Association, annual convention, April 216
—Basalt Rock Co.'s Fontana plants, January 156
—Valley Concrete Pressure Pipe Co., July 116
Concrete Products
—Autoclaved concrete products, May ...142
—Autoclaving effects, August 216
—Basalt Rock Co. developments, January 114
—Besser Manufacturing Co., Golden anniversary, July 119
—Wisconsin Concrete Producers, Annual convention, February 182
Concrete Products Plants
—Anchor Concrete Products, Inc., September 135
—Anchor Concrete Products, Inc., November 139
—Badger Concrete Co., Inc., celebrates 50th anniversary, October 182
—Basalt Rock Co., January 114
—Frontier Dolomite Concrete Products Corp., June 195
—High pressure steam curing at National Brick and Supply Co., January 215
—Patent Tile Co., roofing tile plant, October 178
—Oswalt Co., December 141
—Rinker Companies, February 177
—Superior Septic Tank Co., August 214
—Texas Industries, Inc., February 86
—United Cement Products Co., July 113
—Wilson Concrete Products Co., June ..178
Concrete Taking Larger Cut of Construction Market, April 220
Construction outlook, January 92
Control Toxic or Combustible Gases, Dusts or Vapors, October 73
Convention Presents Plans to Promote Acceptance of Concrete Masonry, March 161
Convert to Barge Transportation With the Opening of New Sand and Gravel Plant, September 62
Conveyor System Cuts Rock Wool Cupola Charging Costs, October 76
Crushed Stone
—Base course materials for North Carolina State Highway Dept., May ... 74
—Business outlook, January 92
—N.C.S.A., Convention, April 91
Board of Directors, mid-summer meeting, September 79

—Report at Indiana Mineral Aggregates Association, Inc., meeting, April 144
Crushed Stone Directors Consider New Problems, September 79
Crushed Stone Plants
—Allied Chemical & Dye Corp., Solvay Process Div., mines high-calcium limestone, May 66
—Bradford Hills Quarry, Inc., February 81
—Columbus Rock Co., October 66
—Deerfield Rock Corp., June 101
—Eureka Stone Co., August 126
—Florida industry, June 110
—Fry Coal and Stone Co., April 86
—Ideal Crushed Stone Co., Self-unloading barge operations, June 104
—M-C Granite Co., November 74
—Maule Industries, Inc., Prospect, Fla., plant, July 56
—Morrison-Knudsen Co., Venesuelan plant, October 96
—New York Trap Rock Corp., Haverstraw, N. Y., July 84
—Ray Cook Construction Co., February 102
—Southern Crushed Stone Co., Oolite, Fla., plant, September 68
—Texas Industries, Inc., February 86
—Weaver Construction Co., July 60
Crushed Stone Producers Hold Well-Balanced Convention, April 91
Crushers
—Impact, February 81
Cut Fuel Cost and Increase Output With Suspension Preheaters, October 68

D

Dakota Sand and Gravel Co., dredging operations, November 66
Dedicate Million Dollar Stone Plant, July . 84
Deerfield Rock Corp., Crushed stone plants, June 101
Demands For Cement in 1954 Will Approach All-Time Peak, January 157
Depletion
—How sand and gravel company met depletion problem, October 74
—N.S.G.A. report, March 79
—Percentage depletion as a competitive cost factor, Editor's Page, June 57
Designing Efficient Autoclave Plants, November 139
Detecting and Measuring Radial Deformations of Rotary Kilns, August 123
Determining Degree of Burning in Kilns By Liter-Weight of Clinker, November . 76
Directors of N.A.L.I. Oppose Soil Acidity Test for A.C.P., August 189
Diversify to Expand Business, February ...177
Dolomite
—Frontier Dolomite Concrete Products Corp., plant, June 195
—James River Hydrate and Supply Co., May 88
Dragon Cement Co., Thomaston, Me., plant, April 102
Dragon Doubles Plant Capacity, April 102
Dredging
—At Dakota Sand and Gravel Co., November 66
—Ohio River Dredging Co., February ...129
Drilling
—Columbus Rock Co. quarry, October .. 66
—Maule Industries, Inc., Prospect, Fla., plant, July 56
—Secondary drilling operations at Greystone Granite Quarries, Inc., May 96
Drilling for Better Breakage, February ...122
Drying
—Efficient Operation of Dryers, May ...116
—Phosphate Rock Dried at Rate of 200 t.p.h., June 78
Dual Steam Curing System for Proper Hydration and Drying, June 198
Dust Control In Gypsum Plants, November 79
Dust—
Efficient method of returning dust to kilns, June 145
Dynamic Brakes for Rotary Kilns, September 80

E

Editor's Page
—Cooperation with suppliers as an approach to profits, December 51
—Many benefits to business in new tax law, October 47
—Outlook for construction continues favorable, August 67
—Pattern for business in 1954, March ... 53
—Percentage depletion as a competitive cost factor, June 57
—Problem of noise in industry has serious implications, May 47
—Railroads now looking for more tonnage as profits dip, February 57
—Research to develop profits from waste products, July 37
—Selling the farmer on cost reductions through liming, April 69
—Soil testing bogs down liming program, September 45
—States to have more power in labor disputes, November 47
—Year of opportunity ahead, January .. 75
Effect of Silica Flour In Autoclaved Cement-Sand Mixtures, April 214
Effect of Some Inorganic and Organic Compounds On the Solubility, Setting Time and Tensile Strength of Calcined Gypsum, October 109
Effect of Steam Pressure and Cycle On Autoclaved Concrete Products, August ..216
Efficient Method of Returning Dust to Kilns, June 145
Elmhurst-Chicago Stone Co., February ...122
Empire State Association Meetings, February 128
Empire State Sand, Gravel and Ready Mix Association, Winter meeting, February .128
Estimating Demand for Cement, August ...132
Eureka Stone Co., plant, August 126
Exchange Ideas On How to Sell Agricultural Limestone, April 99
Exhibits of Equipment at Conventions, January 181
Experimental Results In Testing Mineral Wool Raw Materials, November 70

F

Federal Portland Cement Co., Inc., The, plant, September 70
Fine Grinding For Agstone and Asphalt Filler, April 106
First Lepol System Wet Process Kiln in the World, December 63
Fixzano Bros., Inc., concrete masonry plant, August 209
Florida's Booming Rock Products Industry, June 110
Flotation
—Heavy Media separation, March 88
—Recovering lithium by froth flotation, June 120
Fluorspar
—A.I.M.E. report, April 140
Fly Ash
—In autoclaved concrete products, May .142
Folsom Dam, fine sand recovery, May 70
Foote Mineral Co., King's Mountain, N. C., plant, June 120
Forty Percent More Tire Life After Hiring Tire Expert, October 81
From Portable to Stationary Operation, February 102
Frontier Stone Products, Inc., fine grinding operations, April 106
Frontier Dolomite Concrete Products Corp., plant, June 195
Froth Flotation, Recovering lithium, June .120
Fry Coal & Stone Co., crushed stone plants, April 86

G

Gear Up for Competitive Pipe Markets, April 216
Georgia Lightweight Aggregate Co., Rockmart, Ga., plant, March 92
Gifford-Hill & Co., Kinder La., sand and gravel plant, October 74
Glass Sand
—Production at Marion Silica Co., Inc., April 126
Greater Use of Lime Is Paramount to Maintain Prosperous Agriculture, April 123
Greystone Granite Quarries, Inc., drilling operations, May 96
Grinding
—At Calaveras Cement Co. plant, March 70
—Fine grinding at Frontier Stone Products, Inc., April 106
—Universal Atlas Cement Co.'s new raw mill, June 74
Group Insurance, N.R.M.C.A. report, March 82
M. J. Grove Lime Co., Installs vertical lime kiln, July 66
Guaranteed Concrete Co., Inc., ready-mixed concrete plant, September 138
Gypsum
—A.I.M.E. report, April 140
—Effect of inorganic and organic compounds on calcined gypsum, October ..109
—Kaiser Gypsum Co., Inc., December ... 72
—National Gypsum Co.
Research center, June 112
Dust control measures, November 79

H

Hamlin Sand & Gravel Co., plant, September 76
Heavy Media Separation
(also see Flotation)
—N.S.G.A. report, March 88
—Process review and outlook, January .150
High Pressure Steam Curing
—Anchor Concrete Products, Inc., installs three autoclaves, September 135
—Autoclave Building Products Association, Annual convention, April 213
—Autoclaved cement-sand mixtures, April 214
—Autoclaved concrete products, May ...142
—Autoclaved concrete products, N.L.A. report, August 216
—National Brick and Supply Co., January 215
—Paper at Southeastern Concrete Masonry Association, Annual meeting, January 226
—Practice at Anchor Concrete Products, Inc., November 139
Highlights of A.S.T.M. Meeting, September 86
Hot Water Heating System for Ready-Mixed Concrete Plants, August 213
How One Sand and Gravel Company Met the Depletion Problem, October 74
How Does Material Flow From A Bin?, March 73

I

Ideal Crushed Stone Co., Self-unloading barge operations, June ..... .104
Impact Crushers For Both Primary and Secondary Crushing, February 81
Improve Plant and Quarry Practices for Maximum Production, October 66
Increase Crushed Stone Capacity To Meet Demands for Diversified Concrete Products, July 56
Increase Crushing Capacity to 800 t.p.h., August 126
India Increasing Cement Capacity To Keep Up With Construction Needs, November ..64
Indiana Mineral Aggregates Association, Inc., Annual convention, April 144
Indiana Producers Anticipate High Volume From Highway—Toll Road Programs, April 144
Industry's Newest High Pressure Steam Curing Plant In Washington, D. C., January 215
International Congress of Precast Concrete, October 184
Iowa Agricultural Limestone Association, Annual meeting, April 148
Iowa Agstone Producers Push Sales Program, April 148

J

James River Hydrate and Supply Co., plant, May 88

K

Kaiser Gypsum Co., Inc., Seattle, Wash., plant, December 72
Kilns
—Calaveras Cement Co. plant, March 70
—Canada Cement Co., Havelock, N. B., plant, August 95
—Determining degree of burning by liter-weight of clinker, November 76
—Dynamic brakes for rotary kilns, September 80
—Federal Portland Cement Co., Inc., September 70
—For lightweight aggregate plant, May . 83
—Fuel oil firing of vertical lime kilns, September 82
—Gas, dust, vapor control, October 73
—Heat liberation and absorption, November 77
—Lime kiln at M. J. Grove Lime Co., July 66
—Method of returning dust to kilns, June 145
—Oil-fired kiln at Canada Cement Co., Fort Whyte, Man., plant, August 112
—Operated with suspension preheater at Allentown Portland Cement Co., October 68
—Performance evaluation, March 89
—Portland Cement from oil shale, July . 59
—Radial deformations of rotary, August 123
—Tunnel kiln operations, May 116
—Two kilns in series produce perlite, July 81
—Weld-surfacing of cement kilns, February 114
Knight Co., Frank J., ready-mixed concrete plant, May 145

L

Labor-Management Relations Act—
—Recommended changes, February 61
Labor Problems
—Editor's Page, November 47
—In the ready-mixed concrete industry, October 191
November 137
—N.R.M.C.A. report, March 172
—Rocky's Notes, November 49
Labor Relations Trends
—Arbitration of some fine points in labor-union contracts, August 71
—Bonus payments that are not part of regular pay rate, December 55
—Dallas ready-mixed concrete producers lose to union in federal courts — City and suburban streets held to be avenues of interstate commerce, July 41
—Filling and not filling skilled job vacancies under union contracts, April 73
—Heads of Labor Department and National Labor Relations Board tell views, January 79
—Holiday pay for employes on furlough, September 49

—Management rights to fire — Unions can be sued under anti-trust laws, May 55
—More conservative attitude of N.L.R.B. becoming evident, October 51
—Recommended changes in the Taft-Hartley Act, February 61
—Truck drivers enjoined in secondary boycott, November 51
—Union conflict involving special skilled labor — What constitutes continuous operation?, June 61
—Union power to discipline members limited, March 57
Laboratory Tests Prove Cements Are Better, May 69
Largest Power Scraper Installation in Sand and Gravel Industry, December 89
Launches Industry's Largest Autoclaves, September 135
Lightweight Aggregates—(see Aggregates, Lightweight)
Lime
—A.I.M.E. report, April 140
—Business outlook, January 92
—M. J. Grove Lime Co., installs kiln, July 66
—In autoclaved concrete products, May .142
—N.L.A., Annual convention, June 88
Operating meeting, November 89
—Operations at Weaver Construction Co., July 60
—Soundness of building limes, June 127
—Theory and Practice of Lime Manufacture
February 118
March 89
April 132
June 129
September 82
October 84
Lime, Fly Ash, Silica and Cement in Autoclaved Concrete Products, May 142
Lime For Grass Lands, April 119
Lime In the Soil Conservation Plan, April 121
Lime Is the Best Insurance Against Poverty, April 120
Lime the Soil to Correct Its Major Fertility Deficiencies, April 116
Liming Cuts Fertilizer Costs, April 118
Lithium recovery at Foote Mineral Co., plant, June 120

M

M-C Granite Co., plant, November 74
MacKenzie Sand and Gravel Co., plant, February 126
Make Lightweight Aggregate from Shale, October 78
Marion Silica Co., Inc., Marion, Ky. plant, April 126
Markets and Merchandising Emphasized at Lime Convention, June 88
Mason-Dixon Sand & Gravel Co., Perryville, Md., plant, August 84
Mass Production of Concrete Roofing Tile, October 178
Mass Production of Pre-arched, Reinforced Concrete Floor and Roof Slabs, February 179
Maule Industries, Inc., Prospect, Fla., plant, July 56
Millisecond Delay Blasting—
—Elmhurst-Chicago Stone Co., February 122
Missouri Limestone Producers Association
—Annual meeting, January 170
More Efficient Mining and Modern Plant Double Asbestos Production, July 74
More Producers Go to High Pressure Curing, April 213
More Than Double Lime Kiln Capacity, July 66
Morrison-Knudsen Co., Venezuelan crushing plant, October 96

N

National Agricultural Limestone Institute
—Annual convention program, January .179
—Annual meeting, April 99
—Board of directors meeting, August ...189
National Brick and Supply Co., steam curing plant, January 215
National Concrete Masonry Association
—Annual convention program, January .249
—Annual meeting, March 161
—Sales promotion program, January 220
National Crushed Stone Association
—Annual convention program, January .178
—Annual meeting, April 91
—Board of Directors, mid-summer meeting, September 79
National Gypsum Co.
—Dust control measures, November 79
—Research center, June 112
National Industrial Sand Association
—Semi-annual meeting, December 108
National Lime Association
—Annual convention, June 88
—Operating meeting, November 89
—Report on autoclaved concrete products, August 216
National Portland Cement Co., Kiln dust return operations, June 145
National Ready Mixed Concrete Association
—Annual convention program, January .176
—Annual meeting, March 75, 168
—Board of Directors meeting, October ..118
National Safety Council
—Meeting, December 94
National Sand and Gravel Association
—Annual convention program, January .176
—Annual meeting, March 75
—Board of Directors meeting, October ..118
—Editor's Page, June 57
National Slag Association
—Annual meeting, December 104
New Developments In Processing Minerals April 140
New Haven Trap Rock Co.
—Bituminous mix plant, June 96
—Dedicates Haverstraw, N. Y., crushed-stone plant, July 84
New Look for Lime, April 124
New Tests and Manufacturing Technique Reviewed by Southeastern Pipe Producers, January 230
Newest Lightweight Aggregate Plant In the Southwest, February 98

O

Ohio Ready Mixed Concrete Association, meeting, March 181
Ohio River Dredging Co., diesel-powered dredges, February 129
Ohio Short Course Emphasized Importance of Quality Concrete, February 190
One of the World's Largest Material Stockpiling Systems, June 82
Open Largest Bituminous Mix Plant In New England, June 96
One Man Per Shift Operates 265 t.p.h. Sand and Gravel Plant, June 86
Operates Cement Kilns for Best Efficiency Rather than for Over-Capacity, September 70
Opinion Vs. Measurement In the Evaluation of Vibration Effects from Blasting February 83
Orissa Cement Ltd., Rajganpur, India, November 64

P

Patent Tile Co., plant, October 178
Pennsylvania Highway Material Producers Conference, March 91
Pennsylvania Producers Hold Joint Meetings, March 91
Pennsylvania Stone Producers Association, Meeting, March 91
Perlite
—For construction and chemical industries, June 136
—Perlite Industries Co., plant, July 81
Perlite Growing In Use In Construction and Chemical Industries, June 136
Perlite Industries Co., plant, July 81
Peru's Newest Cement Plant Generates Its Power, November 80
Phosphate
—Drying phosphate rock at Virginia-Carolina Chemical Corp., June 78
—Raw material stockpiling, June 82
Pioneer Sand and Gravel Co., December ... 89
Perlite Institute, Annual meeting, September 120
Port Costa Brick Works, Automatic truck-loading of masonry units, June 197
Portland Cement (see Cement)
Portland Cement from Oil Shale, July 59
Precast Concrete — (also Prestressed)
—A.C.I., Annual convention, April 220
—Basalt Rock Co.'s "Stresterete" masonry units, January 120
—Home construction, January 132
—International Congress, October 184
—Pre-cast Corp., August 211
—Prestressed slabs, May 139
—Rapidex floor, roof slabs, February ...179
—Stresterete floor, roof and wall system, January 129
Pre-Cast Corp., diversified line, August ...211
Prestressed Slabs and the Lift Slab Building Method, May 139
Problem of Fine Sand Recovery At Folsom Dam, May 70
Processing Sand from "Coral" Rock, June 101
Produce Many Sizes To Meet Heavy Construction Requirements, February ... 84
Producer Views The Ready-Mixed Concrete Business (see Ready-Mixed Concrete)
Producer's Ideas About Merchandising, April 108
Producing High-Grade Silica From Sandstone, April 126
Producing High-Grade "Sugar" Stone, July 60
Producing Lightweight Aggregate from Slate, March 92
Producing Plant Mixed Materials for Stabilized Base Course, May 74
Producing Pulverized Dolomite Products, May 88
Producing Surface-Coated Lightweight Aggregate, January 143
Production of Lightweight Aggregates, February 110
Programs of Aggregates Industries Conventions, January 176
Progress in Technical Developments As Observed in Field Travel, January 150
Promoting Agstone Market Discussed by Missouri Producers, January 170
Promotion Program Builds Concrete Block Business, October 175
Proper Soil Testing Improves Use of Agricultural Limestone, November 69
Properly Limed Soil Is A Natural Resource, April 125
Prospective Chemistry of Cement and Concrete
—Part IX. More about the structure of water and its effects on silicates, January 147
—Part X. Recent research on the hydration products of portland cement, August 136
Public Relations — Practices of Ready Mixed Concrete Co., August 219
Push-Button Ready-Mixed Concrete Plant, May 145

Q - R

Quarry Operations — (see Crushed Stone Plants)
Rampo Sand & Gravel Co., Suffern, N. Y., plant, February 84
Rapidex Co. of Indiana, subsidiary of Spickelmier Co., plant, February 179
Ray Cook Construction Co., crushed stone plant, February 102
Ready-Mixed Concrete
—Business outlook, January 92
—Construction method, May 139
—Empire State Sand, Gravel and Ready Mix Association, Winter meeting, February 128
—Experts answer questions, September .141
—Hot water heating system for plants, August 213
—National Ready-Mixed Concrete Association, Annual meeting, March .. 75
March 161
Board of directors meeting, October ..118
—Producer Views the Ready-Mixed Concrete Business
Part XVI. Advantages and disadvantages of non-agitating delivery equipment, January 233
—Part XVII. Job problems affecting concrete quality, February 186
—Part XVIII. Concrete engineering troubles, March 174
—Part XIX. The story of the ready-mixed concrete industry, April 227
—Part XX. The story of the ready-mixed concrete industry, May 152
—Part XXI. Radio offers many advantages to the ready-mixed concrete industry, June 202
—Part XXII. Radio offers many advantages to the ready-mixed concrete industry, July 123
—Part XXIII. Radio offers many advantages to the ready-mixed concrete industry, August 223
—Part XXIV. Labor problems in the ready-mixed concrete industry, October 191
—Part XXV. Labor problems in the ready-mixed concrete industry, November 137
—Part XXVI. Preventive Maintenance in the ready-mixed concrete industry, December 154
Ready Mixed Concrete Co., public relations, August 219
Ready-Mixed Concrete Experts Answer Questions, September 141
Ready-Mixed Concrete Plants
—Frank J. Knight Co., push-button plant, May 145
—Guaranteed Concrete Co., Inc., September 138
—Rinker Companies, February 177
—Texas Industries, Inc., February 86
Recover Specification Sand and Gravel From Clayey Deposit, July 62
Recovering Lithium by Froth Flotation, June 120
Reinforced Concrete Pressure Pipe, January 136
Rescolite Co., Fort Smith, Ark., lightweight aggregate plant, October 78
Research Center, National Gypsum Co., June 112
Reversible, Self-Unloading Barges Haul Stone to Plant, June 104
Rinker Companies (Rinker Inc. and Rinker Materials Corp.), diversified products, February 177
Rock Products Industries Will Have Another Year of Near Capacity Operation, January 92
Rocky's Notes
—An appreciation of Otho Graves, December 53
—Bonding in particle structures, August 69
—Chemistry of glass, October 49
—Lack of vigilance over trust funds, November 49
—Magnesia in hydraulic cements, April . 71
—New text on clay mineralogy, January 77
—Physical chemistry of the silicates, September 47
—Readable "Elements of Mineralogy," June 59
—Teamsters union and its head man, July 39

—Volume changes in frozen cement paste, March 55
—Ways to estimate bond strengths of minerals, February 59
—Working tools for rock products research, May 49
Rock Wool—
—Conveyor System Cuts Cupola Charging Costs, October 76
—Testing Raw Materials, November 70
Rotary Dryers
—For phosphate rock, June 78
—Operation, May 116
Ruberoid Co., Vermont Asbestos Div., plant, July 74

S

Sand and Gravel
—Autoclaved cement-sand mixtures, April 214
—Business outlook, January 92
—Editor's Page, depletion, June 57
—Empire State Sand, Gravel and Ready Mix Association, Winter meeting, February 128
—Fine sand recovery at Folsom Dam, May 70
—Heavy media separation, March 88
—Industry production, May 104
—National Sand and Gravel Association, Annual meeting, March 75
Board of directors meeting, October ..118
—Operating problems, March 87
Sand and Gravel Plants
—Basalt Rock Co.'s Healdsburg plant, January 125
—Becker County Sand & Gravel Co., Marlboro, S. C., plant, July 62
—Dakota Sand and Gravel Co., November 66
—Gifford-Hill & Co., Kinder, La., October 74
—Hamlin Sand & Gravel Co., September 76
—MacKenzie Sand and Gravel Co., February 126
—Mason-Dixon Sand and Gravel Co., August 84
—Pioneer Sand and Gravel Co., December 80
—Rampo Sand & Gravel Co., February . 84
—J. L. Shiely Co., September 62
—Southern Michigan Materials, Inc., June 86
—Texas Industries, Inc., February 86
Scrubber Supplements Classifiers, August . 84
Septic Tank Manufacture, Set Up, August 214
J. L. Shiely Co., Grey Cloud Island plant, September 62
Silica
—A.I.M.E. report, April 140
—In autoclaved concrete products, May .142
—Producing high-grade silica from sandstone at Marion Silica Co., Inc., April 126
—Silica-cement properties, May 80
—Silica flour additions to portland cement, April 214
Slate
—Lightweight aggregate, March 92
Small Plant Meets Tough Specifications for New York Thruway, February 126
Soffit Block In Tilt-Up Construction, August 225
Solvay Mines High-Calcium Limestone for Chemical Use, May 66
Southeastern Concrete Masonry Association, Annual meeting, January 226
Southeastern Concrete Pipe Association
—Annual meeting, January 230
Southern Crushed Stone Co., Oolite, Fla., plant, September 68
Southern Michigan Materials, Inc., sand and gravel plant, June 86
Spectrophotometer Cuts Laboratory Time October 92
Speeding Up Block Deliveries, August 209
Spinning and Rolling In the Manufacture of Concrete Pipe, July 116
Steam Curing Plus Hot-Air Drying, June .195
Stone Plant Helps Build Big Dams, November 74
Stress Quality and More Diversification at Southeastern Meeting, January 226
Stresscrete Floor, Roof and Wall System, January 129
Strip Heavy Overburden With Dredge — Recover Sand and Gravel With Cableway Excavator, November 66
Superior Stone Co., production of stabilized base course material for North Carolina State Highway Dept., May 74
Suspension Preheaters at Allentown Portland Cement Co., October 68
Superior Septic Tank Co., plant, August ..214
Superior Stone Company produces plant mix for stabilized base course, May 74

T

Taft-Hartley Act (see Labor-Management Relations Act)
Texas Industries Blankets the Fields of Concrete and Aggregates, February 86
Texas Industries, Inc., Southwestern plants, February 86
Theory and Practice of Lime Manufacture
—Part VII. Calcination and hydration research, February 118
—Part VIII. Simplified procedure of kiln performance evaluation by means of exhaust gas analysis, March 89
—Part IX. The increasing importance of fuel oil, April 132
—Part X. Fuel oil and its application to the combustion system, June 129
—Part XI. Thermal standard of performance in fuel oil firing of vertical lime kilns. How to control sources of heat loss, September 82
—Part XII. Rotary kiln draft — its effect on kiln capacity, October 84
—Part XIII. Relation of rotary kiln diameter, length, volume and surface to the heat developed, and the heat absorbed for open unsegmented rotary kilns in the lime industry, November . 77
Three-Step Program to Rebuild An Old Cement Plant, June 74
Tires—Increasing Life 40 Percent, October 81
Two Kilns In Series Produce Perlite, July . 81
Two-Stage Crushing With Hammermills, September 68

U-V-W

Unit Masonry Association Idea Growing, October 180
United Cement Products Co.
—Push-button plant, July 113
—Glasface concrete units plant, November 135
Universal-Atlas Cement Co.
—Universal, Penn. plant improvements, February 78
—Rebuilding program, June 74
Universal Starts Up New Raw Mill, February 78
Valley Concrete Pressure Pipe Co., operations, July 116
Virginia-Carolina Chemical Corp.
—Nichols, Fla., plant, June 78
—Material stockpiling system, June 82
Weaver Construction Co., "Sugar" stone operations, July 60
Western Concrete Pipe Association
—Meeting, January 244
—Annual convention, July 118
Wilson Concrete Products Co., plant, June 189
Wisconsin Concrete Producers, Annual convention, February 182

Another—Gypsum Plaster and Wallboard Plant With

EHRSAM **EQUIPMENT**

The Kaiser Gypsum Co. — Seattle, Washington

EHRSAM RECIPROCATING PUNCH

For over 80 years Ehrsam has engineered and designed a complete line of gypsum and wallboard processing equipment. Many of today's most modern practices have originated in our engineering department. Whether your needs are single machines or an entire plant Ehrsam is your guarantee of top quality that comes only from long experience.

Remember too, our engineering staff is always ready to consult and help you with problems which you may have.

EHRSAM WET PIN MIXER

THE J. B. EHRSAM & SONS MFG. CO. • ENTERPRISE, KANS., U. S. A.